Hi all,

You can get more information on linkedin: Quoc Bao Pham or baopq.spkt@gmail.com

I refer Nitin Skandan file.

You can run the project by file inpguitest.mdl, It will call InpGUI and Fuzzy Logic.

Overwiew File in projects.

|  |  |  |
| --- | --- | --- |
| No | Name | Description |
| 1. | InpGUI.fig | Fig file generated from GUIDE for Input GUI |
| 2. | InpGUI.m | M file generated from GUIDE for Input GUI |
| 3. | Inpgui\_sf.m | M file S function which collects information from Input GUI and outputs to mode |
| 4. | Ingui\_test.mdl | Test model with GUI, S function integrated |

Fuzzy Logic Rules

|  |  |  |  |
| --- | --- | --- | --- |
| Tin  Tout | Cold(0 -> 25) | Medium(20 -> 30) | Hot( 25 -> max) |
| Cold(0 -> 25) | Zero | Slow | Medium |
| Medium(20 -> 30) | Slow | Medium | Fast |
| Hot( 25 -> max) | Medium | Fast | Max |

No Name Description

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4. Ingui\_test.mdl Test model with GUI, S function integrated

5. fuzzy\_2in\_1out Fuzzy logic control

You can edit everything. If you don't understant, can contact me by information above.

GUI data flow

